

Impact of Artificial Intelligence on Teaching and Learning

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Abstract

Artificial Intelligence (AI) is increasingly transforming the field of education by introducing new approaches to teaching, learning, assessment, and academic support. This paper examines the impact of AI on teaching and learning, with particular attention to personalized learning, automated assessment, intelligent tutoring systems, content generation, and student support. AI-based educational tools can help teachers manage learning activities and provide students with individualized educational experiences. However, issues related to academic integrity, data privacy, digital literacy, bias, and responsible use of AI must also be considered. The study discusses both the opportunities and challenges associated with AI in education and emphasizes the importance of using AI as a supportive tool alongside effective teacher guidance.

Keywords: Artificial Intelligence, Teaching, Learning, Educational Technology, Personalized Learning, AI in Education, Digital Education.

